PROJECT DESCRIPTION **GENERAL** 

THIS PROJECT INVOLVES THE RECONSTRUCTION OF A TRAFFIC SIGNAL AT THE INTERSECTION OF MD 410 AND RIVERDALE ROAD IN PRINCE GEORGES COUNTY.

## INTERSECTION OPERATION

A CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE IN A FULLY ACTUATED MODE USING 4 NEMA PHASES. EASTBOUND AND WESTBOUND MD 410/RIVERDALE ROAD SHALL OPERATE AS CONCURRENTLY, WHILE THE SIDE STREET MOVEMENT SHALL OPERATE ALONE. VIDEO DETECTION SHALL BE INSTALLED FOR ACTUATION OF RIVERDALE ROAD LEFT TURN PHASE. FOR THE SIDE STREET PRESENCE DETECTION AND FOR THE MD 410 WESTBOUND SAMPLING.

## SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

## PROJECT CONTACTS:

MR. MAJIB SHAKIB, ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 513-7358 MR. DENNIS MCMAHON, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (301) 513-7336 MR. WAYNE MOWDY, ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 513-7304 MR. AUGI REBISH. UTILITY ENGINEER PHONE: (301) 513-7350 MR. RICHARD L. DAFF. SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630

## EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000 971017	VIDEO DETECTION INTERFACE EQUIPMENT (FOR 1-4 CAMERAS) BASE MOUNTED (SIZE-6) CABINET AND CONTROLLER (MSHA SPECIFICATIONS) WITH	EA	1
3,7077	2-4 CHANNEL RACK MOUNTED DETECTOR AMPLIFIERS	EA	1
973023	FLAT SHEET ALUMINUM SIGNS CONSISTING OF:	ŠF	37
	R10-12 (30"X36") MAST ARM MOUNT	EA	- 1
	R3-5(L) (30"X36") MAST ARM MOUNT	EA	2
	D-3(2) (16" X VAR.) MAST ARM MOUNT	EA	1

B. FOLLIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

CATEGORY CODE NO.  203030 TEST PIT EXCAVATION 585620 12 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING 585624 24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING 800000 REMOVE AND DISPOSE OF EXISTING EQUIPMENT 800000 CABLE 1-CONDUCTOR, NO, 250 KCMIL 801004 CONCRETE FOR SIGNAL FOUNDATIONS 801607 INSTALL SHEET ALUMINUM SIGN 802501 NO. 6 AWG STRANDED BARE COPPER GROUND WIRE 805011 1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE 805125 2 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805135 3 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805140 4 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805155 4 INCH SCHED. 80 PVC CONDUIT-SLOTTED 805160 LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE 807202 METERED SERVICE PEDESTAL 810010 CABLE 1-CONDUCTOR, NO. 4 AWG-THHN/THWN 810550 MICROLOOP PROBE, 500 FOOT LEAD IN CABLE 810011 FURNISH AND INSTALL ELECTRICAL HANDHOLE 816001 VIDEO DETECTION CAMERA 816005 CONTROL CABLE, 250 FOOT VIDEO DETECTION CAMERA TO CONTROLLER		
12 INCH HEAT APPL, WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING 585624 24 INCH HEAT APPL. WHITE PERMANENT PREFORMED THERMO. PAVEMENT MARKING 800000 REMOVE AND DISPOSE OF EXISTING EQUIPMENT 800000 CABLE 1-CONDUCTOR, NO. 250 KCMIL 801004 CONCRETE FOR SIGNAL FOUNDATIONS 801607 INSTALL SHEET ALUMINUM SIGN 802501 NO. 6 AWG STRANDED BARE COPPER GROUND WIRE 805011 1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE 805125 2 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805135 3 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805140 4 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805155 4 INCH SCHED. 80 PVC CONDUIT-TRENCHED 805160 LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE 807202 METERED SERVICE PEDESTAL 810010 CABLE 1-CONDUCTOR, NO. 4 AWG-THHN/THWN 810550 MICROLOOP PROBE, 500 FOOT LEAD IN CABLE 81001 FURNISH AND INSTALL ELECTRICAL HANDHOLE 816001 VIDEO DETECTION CAMERA	UNITS	QUANTITY
811001 FURNISH AND INSTALL ELECTRICAL HANDHOLE 816001 VIDEO DETECTION CAMERA	Y F F S F Y F F F F F A F A A	3 400 100 1 220 11 37 365 30 70 210 100 340 20 1
818004 10 FOOT BREAKAWAY PEDESTAL POLE 818021 STEEL POLE WITH TWIN 50 FOOT MAST ARM 818030 STEEL POLE WITH A SINGLE 38 FOOT MAST ARM	LEEEEEEEEEE EEEEEEEEE	2 7 3 3 2 1 1
818004 10 FOOT BREAKAWAY PEDESTAL POLE 818021 STEEL POLE WITH TWIN 50 FOOT MAST ARM 818030 STEEL POLE WITH A SINGLE 38 FOOT MAST ARM 822002 12-PAIR COMMUNICATION CABLE, JELLYFILLED (UNDERGROUND) 831010 250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE 837001 GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH 860272 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION 860278 12 INCH PEDESTRIAN SIGNAL HEAD SECTION - POLE MOUNT 860282 12 INCH PEDESTRIAN SIGNAL HEAD SECTION - PEDESTAL POLE MOUNT 860282 12 INCH PEDESTRIAN SIGNAL HEAD SECTION - PEDESTAL POLE MOUNT 860292 CUT, CLEAN, GALVANIZE AND CAP TRAFFIC SIGNAL STRUCTURE 862102 SAW CUT FOR SIGNAL (LOOP DETECTOR) 861105 ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) 861106 ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) 861107 ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG) 861108 ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG) 861109 ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG) 861101 ELECTRICAL CABLE - 2 CONDUCTOR (NO. 12 AWG) 865001 PUSHBUTTON AND SIGN 866101 10 FOOT LIGHTING ARM ON SIGNAL STRUCTURE 871202 INSTALL CONTROLLER AND CABINET - BASE MOUNT		1300 1 6 28 4 4 2 185 410 330 470 860 210 2

C. SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILLIARY EQUIPMENT FROM THE CONTROLLER CABINET.
THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CATEGORY CODE NO.

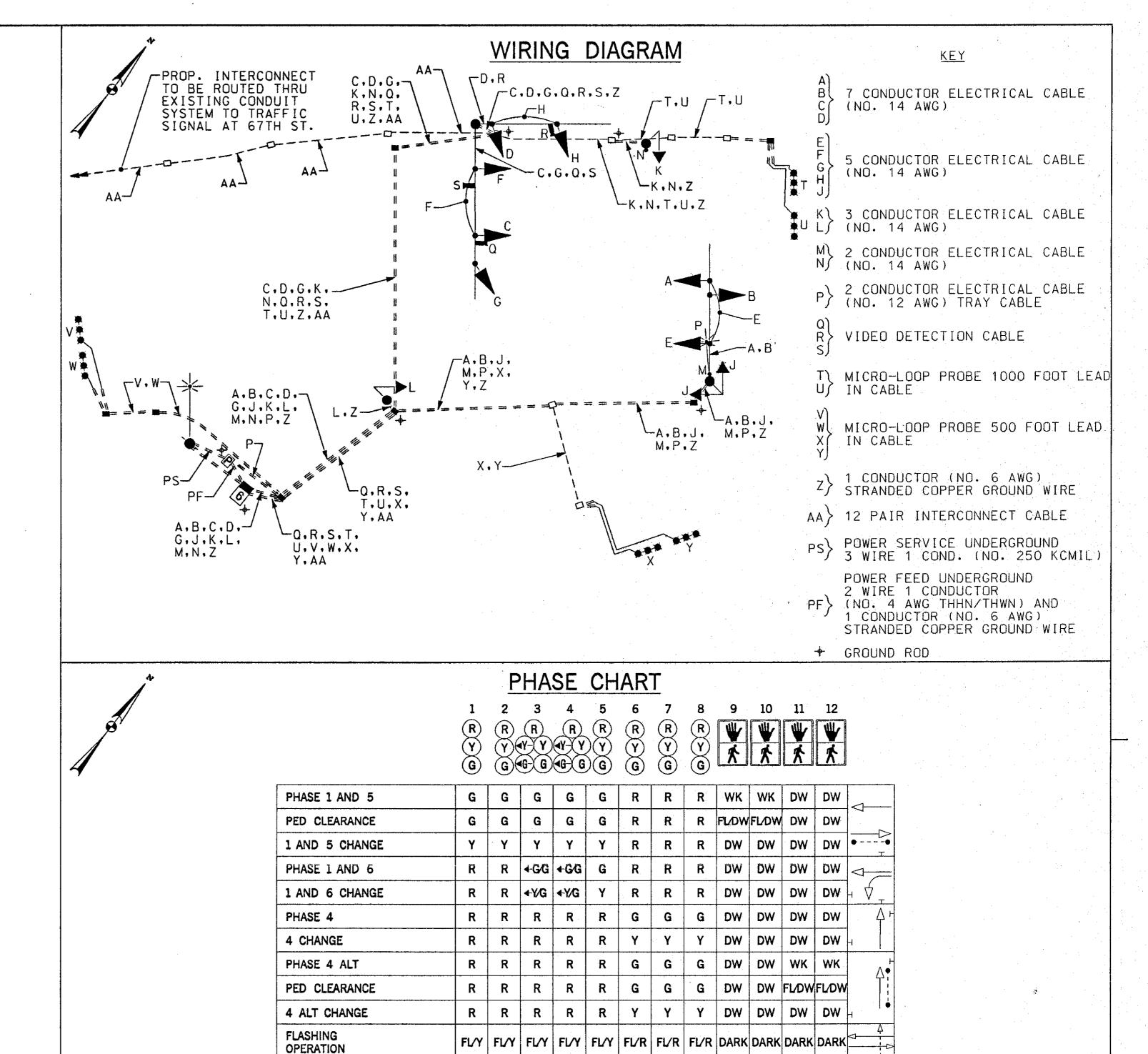
DESCRIPTION

NONE

UNITS

QUANTITY

SABRA, WANG & ASSOCIATES, INC. 1504 JOH AVENUE



SG-02



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 410 AND RIVERDALE ROAD

GENERAL INFORMATION PLAN

SCALE 1"=20' DATE 01/10/05 CONTRACT NO. PG4775176

DESIGNED BY J. WEAVER DRAWN BY J. WEAVER CHECKED BY S. RENZI

COUNTY PRINCE GEORGES LOGMILE <u>16041005.37</u> T.I.M.S. NO. <u>G460</u> TOD NO. \_\_\_

SHEET NO. OF

DRAWING NO. TS-2443B

F.A.P. NO.\_

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SUITE 160

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